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Ser Phe Gly Pro Gly Ala Leu Arg Ala Ser Leu Val His Val Gly Ser

Gln Pro His Thr Glu Phe Thr Phe Asp Gln Tyr Ser Ser Gly Gln Ala

Ile Arg Asp Ala Ile Arg Val Ala Pro Gln Arg Met Gly Asp Thr Asn 105

Thr Gly Leu Ala Leu Ala Tyr Ala Lys Glu Gln Leu Phe Ala Glu Glu 120

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Ala Gln Asp Ala Val Arg Ala Ser Ala Gln Arg Met Gly Asp Thr His 100 105 110

Thr Gly Leu Ala Leu Val Tyr Ala Lys Glu Gln Leu Phe Ala Glu Ala 115 120 125

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Gly Gly Ser Ser Asp Pro Val Gly Pro Pro Met Gln Glu Leu Lys Asp 145 150 155 160

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Leu Arg Val Ser Trp Ala Pro Ala Leu Gly Ser Ala Ala Ala Leu Gly 335

Tyr His Val Gln Phe Gly Pro Leu Arg Gly Gly Glu Ala Gln Arg Val 345

Glu Val Pro Ala Gly Arg Asn Cys Thr Thr Leu Gln Gly Leu Ala Pro 365

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<210> 20

<211> 418

<212> PRT

<213> Homo sapiens

<400> 20

Met Leu Pro Trp Thr Ala Leu Gly Leu Ala Leu Ser Leu Arg Leu Ala 1 5 10 15

Leu Ala Arg Ser Gly Ala Glu Arg Gly Pro Pro Ala Ser Ala Pro Arg 20 25 30

Gly Asp Leu Met Phe Leu Leu Asp Ser Ser Ala Ser Val Ser His Tyr 35 40 45

Glu Phe Ser Arg Val Arg Glu Phe Val Gly Gln Leu Val Ala Pro Leu 50 55 60

Pro Leu Gly Thr Gly Ala Leu Arg Ala Ser Leu Val His Val Gly Ser 65 70 75 80

Arg Pro Tyr Thr Glu Phe Pro Phe Gly Gln His Ser Ser Gly Glu Ala 85 90 95

Ala Gln Asp Ala Val Arg Ala Ser Ala Gln Arg Met Gly Asp Thr His
100 105 110

Thr Gly Leu. Ala Leu Val Tyr Ala Lys Glu Gln Leu Phe Ala Glu Ala 115 120 125

Ser Gly Ala Arg Pro Gly Val Pro Lys Val Leu Val Trp Val Thr Asp 130 135 140

Gly Gly Ser Ser Asp Pro Val Gly Pro Pro Met Gln Glu Leu Lys Asp 145 150 155 160

Leu Gly Val Thr Val Phe Ile Val Ser Thr Gly Arg Gly Asn Phe Leu 165 170 175

Glu Leu Ser Ala Ala Ala Ser Ala Pro Ala Glu Lys His Leu His Phe 180 185 190

Val Asp Val Asp Asp Leu His Ile Ile Val Gln Glu Leu Arg Gly Ser 195 200 205

Ile Leu Asp Ala Met Arg Pro Gln Gln Leu His Ala Thr Glu Ile Thr 210 215 220

Ser Ser Gly Phe Arg Leu Ala Trp Pro Pro Leu Leu Thr Ala Asp Ser 225 230 235 240

Gly Tyr Tyr Val Leu Glu Leu Val Pro Ser Ala Gln Pro Gly Ala Ala 245 250 255

Arg Arg Gln Gln Leu Pro Gly Asn Ala Thr Asp Trp Ile Trp Ala Gly
260 265 270

Leu Asp Pro Asp Thr Asp Tyr Asp Val Ala Leu Val Pro Glu Ser Asn 275 280 285

Val Arg Leu Leu Arg Pro Gln Ile Leu Arg Val Arg Thr Arg Pro Glu 290 295 300

Glu Ala Gly Pro Glu Arg Ile Val Ile Ser His Ala Arg Pro Arg Ser 305 310 315 320

Leu Arg Val Ser Trp Ala Pro Ala Leu Gly Ser Ala Ala Ala Leu Gly 325 330 335

Tyr His Val Gln Phe Gly Pro Leu Arg Gly Glu Ala Gln Arg Val 340 345 350

Glu Val Pro Ala Gly Arg Asn Cys Thr Thr Leu Gln Gly Leu Ala Pro 355 360 365

Gly Thr Ala Tyr Leu Val Thr Val Thr Ala Ala Phe Arg Ser Gly Arg 370 375 380

Glu Ser Ala Leu Ser Ala Lys Ala Cys Thr Pro Asp Gly Pro Arg Pro 385 390 395 400

Arg Pro Arg Pro Val Pro Arg Ala Pro Thr Pro Gly Thr Ala Ser Arg
405 410 415

Glu Pro

<210> 21

<211> 415 <212> PRT

<213> Mus musculus

<400> 21

Met Leu Phe Trp Thr Ala Phe Ser Met Ala Leu Ser Leu Arg Leu Ala 1 5 10 ` 15

Leu Ala Arg Ser Ser Ile Glu Arg Gly Ser Thr Ala Ser Asp Pro Gln 20 25 30

Gly Asp Leu Leu Phe Leu Leu Asp Ser Ser Ala Ser Val Ser His Tyr 35 40 45

Glu Phe Ser Arg Val Arg Glu Phe Val Gly Gln Leu Val Ala Thr Met 50 60

Ser Phe Gly Pro Gly Ala Leu Arg Ala Ser Leu Val His Val Gly Ser 65 70 75 80

- Gln Pro His Thr Glu Phe Thr Phe Asp Gln Tyr Ser Ser Gly Gln Ala 85 90 95
- Ile Arg Asp Ala Ile Arg Val Ala Pro Gln Arg Met Gly Asp Thr Asn
 100 105 110
- Thr Gly Leu Ala Leu Ala Tyr Ala Lys Glu Gln Leu Phe Ala Glu Glu 115 120 125
- Ala Gly Ala Arg Pro Gly Val Pro Lys Val Leu Val Trp Val Thr Asp 130 135 140
- Gly Gly Ser Ser Asp Pro Val Gly Pro Pro Met Gln Glu Leu Lys Asp 145 150 155 160
- Leu Gly Val Thr Ile Phe Ile Val Ser Thr Gly Arg Gly Asn Leu Leu 165 170 175
- Glu Leu Leu Ala Ala Ala Ser Ala Pro Ala Glu Lys His Leu His Phe 180 185 190
- Val Asp Val Asp Asp Leu Pro Ile Ile Ala Arg Glu Leu Arg Gly Ser 195 200 205
- Ile Thr Asp Ala Met Gln Pro Gln Gln Leu His Ala Ser Glu Val Leu 210 215 220
- Ser Ser Gly Phe Arg Leu Ser Trp Pro Pro Leu Leu Thr Ala Asp Ser 225 230 235 240
- Gly Tyr Tyr Val Leu Glu Leu Val Pro Ser Gly Lys Leu Ala Thr Thr 245 250 255
- Arg Arg Gln Gln Leu Pro Gly Asn Ala Thr Ser Trp Thr Trp Thr Asp 260 265 270
- Leu Asp Pro Asp Thr Asp Tyr Glu Val Ser Leu Leu Pro Glu Ser Asn 275 280 285
- Val His Leu Leu Arg Pro Gln His Val Arg Val Arg Thr Leu Gln Glu 290 295 300
- Glu Ala Gly Pro Glu Arg Ile Val Ile Ser His Ala Arg Pro Arg Ser 305 310 315 320
- Leu Arg Val Ser Trp Ala Pro Ala Leu Gly Pro Asp Ser Ala Leu Gly 325 330 335
- Tyr His Val Gln Leu Gly Pro Leu Gln Gly Gly Ser Leu Glu Arg Val 340 345 350
- Glu Val Pro Ala Gly Gln Asn Ser Thr Thr Val Gln Gly Leu Thr Pro 355 360 365
- Cys Thr Thr Tyr Leu Val Thr Val Thr Ala Ala Phe Arg Ser Gly Arg 370 375 380

Gln Arg Ala Leu Ser Ala Lys Ala Cys Thr Ala Ser Gly Ala Arg Thr 385 390 395 400

Arg Ala Pro Gln Ser Met Arg Pro Glu Ala Gly Pro Arg Glu Pro 405 410 415

<210> 22

<211> 182

<212> PRT

<213> Gullus gallus

<400> 22

Ile Ala Asp Ile Val Ile Leu Val Asp Gly Ser Trp Ser Ile Gly Arg
1 5 10 15

Phe Asn Phe Arg Leu Val Arg Leu Phe Leu Glu Asn Leu Val Ser Ala 20 25 30

Phe Asn Val Gly Ser Glu Lys Thr Arg Val Gly Leu Ala Gln Tyr Ser 35 40 45

Gly Asp Pro Arg Ile Glu Trp His Leu Asn Ala Tyr Gly Thr Lys Asp 50 55 60

Ala Val Leu Asp Ala Val Arg Asn Leu Pro Tyr Lys Gly Gly Asn Thr 65 70 75 80

Leu Thr Gly Leu Ala Leu Thr Tyr Ile Leu Glu Asn Ser Phe Lys Pro 85 90 95

Glu Ala Gly Ala Arg Pro Gly Val Ser Lys Ile Gly Ile Leu Ile Thr 100 105 110

Asp Gly Lys Ser Gln Asp Asp Val Ile Pro Pro Ala Lys Asn Leu Arg 115 120 125

Asp Ala Gly Ile Glu Leu Phe Ala Ile Gly Val Lys Asn Ala Asp Ile 130 135 140

Asn Glu Leu Lys Glu Ile Ala Ser Glu Pro Asp Ser Thr His Val Tyr 145 150 155 160

Asn Val Ala Asp Phe Asn Phe Met Asn Ser Ile Val Glu Gly Leu Thr 165 170 175

Arg Thr Val Cys Ser Arg 180

<210> 23

<211> 183

<212> PRT

<213> Unknown Sequence

<220>

<223> Description of Unknown Sequence: VA domain from Unknown collagen VII

<400> 23

Ala Ala Asp Ile Val Phe Leu Leu Asp Gly Ser Ser Ser Ile Gly Arg
1 5 10 15

Ser Asn Phe Arg Glu Val Arg Ser Phe Leu Glu Gly Leu Val Leu Pro 20 25 30

Phe Ser Gly Ala Ala Ser Ala Gln Gly Val Arg Phe Ala Thr Val Gln 35 40 45

Tyr Ser Asp Asp Pro Arg Thr Glu Phe Gly Leu Asp Ala Leu Gly Ser
50 60

Gly Gly Asp Val Ile Arg Ala Ile Arg Glu Leu Ser Tyr Lys Gly Gly 65 70 75 80

Asn Thr Arg Thr Gly Ala Ala Ile Leu His Val Ala Asp His Val Phe 85 90 95

Leu Pro Gln Leu Ala Arg Pro Gly Val Pro Lys Val Cys Ile Leu Ile 100 105 110

Thr Asp Gly Lys Ser Gln Asp Leu Val Asp Thr Ala Ala Gln Arg Leu 115 120 125

Lys Gly Gln Gly Val Lys Leu Phe Ala Val Gly Ile Lys Asn Ala Asp 130 135 140

Pro Glu Glu Leu Lys Arg Val Ala Ser Gln Pro Thr Ser Asp Phe Phe 145 150 155 160

Phe Phe Val Asn Asp Phe Ser Ile Leu Arg Thr Leu Leu Pro Leu Val 165 170 175

Ser Arg Arg Val Cys Thr Thr 180

<210> 24

<211> 182

<212> PRT

<213> Homo sapiens

<400> 24

Lys Ala Asp Ile Val Phe Leu Thr Asp Ala Ser Trp Ser Ile Gly Asp

Asp Asn Phe Asn Lys Val Val Lys Phe Ile Phe Asn Thr Val Gly Ala 20 25 30

Phe Asp Glu Val Asn Pro Ala Gly Ile Gln Val Ser Phe Val Gln Tyr 35 40 45

Ser Asp Glu Val Lys Ser Glu Phe Lys Leu Asn Thr Tyr Asn Asp Lys 50 55 60

Ala Leu Ala Leu Gly Ala Leu Gln Asn Ile Arg Tyr Arg Gly Gly Asn 65 70 75 80

Thr Arg Thr Gly Lys Ala Leu Thr Phe Ile Lys Glu Lys Val Leu Thr 85 90 95

Trp Glu Ser Gly Met Arg Lys Asn Val Arg Val Leu Gly Val Val Thr

Asp Gly Arg Ser Gln Asp Glu Val Lys Lys Ala Ala Phe Val Ile Gln 115 120 125

Gln Ser Gly Phe Ser Val Phe Val Val Gly Val Ala Asp Val Asp Tyr 130 135 140

Asn Glu Leu Ala Asn Ile Ala Ser Lys Pro Ser Glu Arg His Val Phe 145 150 155 160

Ile Val Asp Asp Phe Glu Ser Phe Glu Lys Ile Glu Asp Asn Leu Ile 165 170 175

Thr Phe Val Cys Glu Thr 180

<210> 25

<211> 185

<212> PRT

<213> Unknown Sequence

<220>

<223> Description of Unknown Sequence: VA domain from Unknown collagen VI

<400> 25

Ala Ala Asp Ile Val Phe Leu Val Asp Ser Ser Trp Ser Ala Gly Lys

1 10 15

Asp Arg Phe Leu Leu Val Gln Glu Phe Leu Ser Asp Val Val Glu Ser 20 25 30

Leu Ala Val Gly Asp Asn Asp Phe His Phe Ala Leu Val Arg Leu Asn 35 40 45

Gly Asn Pro His Thr Glu Phe Leu Leu Asn Thr Tyr His Ser Lys Gln 50 60

Glu Val Leu Ser His Ile Ala Asn Met Ser Tyr Ile Gly Gly Ser Asn 65 70 75 80

Gln Thr Gly Lys Gly Leu Glu Tyr Val Ile His Ser His Leu Thr Glu

Ala Ser Gly Ser Arg Ala Ala Asp Gly Val Pro Gln Val Ile Val Val 100 105 110

Leu Thr Asp Gly Gln Ser Glu Asp Gly Phe Ala Leu Pro Ser Ala Glu 115 120 125 Leu Lys Ser Ala Asp Val Asn Val Phe Ala Val Gly Val Glu Gly Ala 130 135 140

Asp Glu Arg Ala Leu Gly Glu Val Ala Ser Glu Pro Leu Leu Ser Met 145 150 155 160

His Val Phe Asn Leu Glu Asn Val Thr Ser Leu His Gly Leu Val Gly 165 170 175

Asn Leu Val Ser Cys Ile His Ser Ser 180 185

<210> 26

<211> 185

<212> PRT

<213> Mus musculus

<400> 26

Arg Ala Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser Val Asn Thr 1 5 10 15

Tyr Asp Tyr Ala Lys Val Lys Glu Phe Ile Leu Asp Ile Leu Gln Phe 20 25 30

Leu Asp Ile Gly Pro Asp Val Thr Arg Val Gly Leu Leu Gln Tyr Gly
35 40 45

Ser Thr Val Lys Asn Glu Phe Ser Leu Lys Thr Phe Lys Arg Lys Ser 50 55 60

Glu Val Glu Arg Ala Val Lys Arg Met Arg His Leu Ser Thr Gly Thr 65 70 75 80

Met Thr Gly Leu Ala Ile Gln Tyr Ala Leu Asn Ile Ala Phe Ser Glu 85 90 95

Ala Glu Gly Ala Arg Pro Leu Arg Glu Asn Val Pro Arg Ile Ile Met
100 105 110

Ile Val Thr Asp Gly Arg Pro Gln Asp Ser Val Ala Glu Val Ala Ala 115 120 125

Lys Ala Arg Asn Thr Gly Ile Leu Ile Phe Ala Ile Gly Val Gly Gln 130 135 140

Val Asp Leu Asn Thr Leu Lys Ala Ile Gly Ser Glu Pro His Lys Asp 145 150 155 160

His Val Phe Leu Val Ala Asn Phe Ser Gln Ile Glu Ser Leu Thr Ser 165 170 175

Val Phe Gln Asn Lys Leu Cys Thr Val 180 185

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<210> 27
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<211> 184

<212> PRT

<213> Mus musculus

<400> 27

Pro Leu Asp Leu Val Phe Met Ile Asp Ser Ser Arg Ser Val Arg Pro 1 5 10 15

Phe Glu Phe Glu Thr Met Arg Gln Phe Leu Val Gly Leu Leu Arg Ser 20 25 30

Leu Asp Val Gly Leu Asn Ala Thr Arg Val Gly Val Ile Gln Tyr Ser 35 40 45

Ser Gln Val Gln Ser Val Phe Pro Leu Gly Ala Phe Ser Arg Arg Glu 50 60

Asp Met Glu Arg Ala Ile Arg Ala Val Val Pro Leu Ala Gln Gly Thr 65 70 75 80

Met Thr Gly Leu Ala Ile Gln Tyr Ala Met Asn Val Ala Phe Ser Glu 85 90 95

Ala Glu Gly Ala Arg Pro Ser Glu Glu Arg Val Pro Arg Val Leu Val
100 105 110

Ile Val Thr Asp Gly Arg Pro Gln Asp Arg Val Ala Glu Val Ala Ala 115 120 125

Gln Ala Arg Ala Arg Gly Ile Glu Ile Tyr Ala Val Gly Val Gln Arg 130 135 140

Ala Asp Val Gly Ser Leu Arg Thr Met Ala Ser Pro Pro Leu Asp Gln 145 150 155 160

His Val Phe Leu Val Glu Ser Phe Asp Ile Gln Glu Phe Gly Leu Gln
165 170 175

Phe Gln Gly Arg Leu Cys Gly Lys 180

<210> 28

<211> 185

<212> PRT

<213> Mus musculus

<400> 28

Pro Leu Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser Val Arg Pro 1 5 10 15

Leu Glu Phe Thr Lys Val Lys Thr Phe Val Ser Arg Ile Ile Asp Thr 20 25 30

Leu Asp Ile Gly Ala Thr Asp Thr Arg Val Ala Val Val Asn Tyr Ala

Ser Thr Val Lys Ile Glu Phe Gln Leu Asn Thr Tyr Ser Asp Lys Gln 50 60

Ala Leu Lys Gln Ala Val Ala Arg Ile Thr Pro Leu Ser Thr Gly Thr 65 70 75 80

Met Ser Gly Leu Ala Ile Gln Thr Ala Met Glu Glu Ala Phe Thr Val 85 90 95

Glu Ala Gly Ala Arg Gly Pro Met Ser Asn Ile Pro Lys Val Ala Ile 100 105 110

Ile Val Thr Asp Gly Arg Pro Gln Asp Gln Val Asn Glu Val Ala Ala 115 120 125

Arg Ala Arg Ala Ser Gly Ile Glu Leu Tyr Ala Val Gly Val Asp Arg 130 135 140

Ala Asp Met Glu Ser Leu Lys Met Met Ala Ser Lys Pro Leu Glu Glu 145 150 155 160

His Val Phe Tyr Val Glu Thr Tyr Gly Val Ile Glu Lys Leu Ser Ala 165 170 175

Arg Phe Gln Glu Thr Pro Cys Ala Leu 180 185

<210> 29

<211> 185

<212> PRT

<213> Mus musculus

<400> 29

Pro Thr Asp Leu Val Phe Val Val Asp Ser Ser Arg Ser Val Arg Pro 1 5 10 15

Val Glu Phe Glu Lys Val Lys Val Phe Leu Ser Gln Val Ile Glu Ser 20 25 30

Leu Asp Val Gly Pro Asn Ala Thr Arg Val Gly Leu Val Asn Tyr Ala 35 40 45

Ser Thr Val Lys Pro Glu Phe Pro Leu Arg Ala His Gly Ser Lys Ala 50 60

Ser Leu Leu Gln Ala Val Arg Arg Ile Gln Pro Leu Ser Thr Gly Thr 65 70 75 80

Met Thr Gly Leu Ala Leu Gln Phe Ala Ile Thr Lys Ala Leu Ser Asp 85 90 95

Ala Glu Gly Gly Arg Ala Arg Ser Pro Asp Ile Ser Lys Val Val Ile
100 105 110

Val Val Thr Asp Gly Arg Pro Gln Asp Ser Val Arg Asp Val Ser Glu 115 120 125 Arg Ala Arg Ala Ser Gly Ile Glu Leu Phe Ala Ile Gly Leu Gly Arg 130 135 140

Val Asp Lys Ala Thr Leu Arg Gln Ile Ala Ser Glu Pro Gln Asp Glu 145 150 155 160

His Val Asp Tyr Val Glu Ser Tyr Asn Val Ile Glu Lys Leu Ala Lys 165 170 175

Lys Phe Gln Glu Ala Phe Cys Val Val 180 185

<210> 30

<211> 193

<212> PRT

<213> Homo sapiens

<400> 30

Gln Leu Asp Ile Val Ile Val Leu Asp Gly Ser Asn Ser Ile Tyr Pro 1 10 15

Trp Asp Ser Val Thr Ala Phe Leu Asn Asp Leu Leu Lys Arg Met Asp 20 25 30

Ile Gly Pro Lys Gln Thr Gln Val Gly Ile Val Gln Tyr Gly Glu Asn 35 40 45

Val Thr His Glu Phe Asn Leu Asn Lys Tyr Ser Ser Thr Glu Glu Val 50 55 60

Leu Val Ala Ala Lys Lys Ile Val Gln Arg Gly Gly Arg Gln Thr Met 65 70 75 80

Thr Ala Leu Gly Thr Asp Thr Ala Arg Lys Glu Ala Phe Thr Glu Ala 85 90 95

Arg Gly Ala Arg Arg Gly Val Lys Lys Val Met Val Ile Val Thr Asp 100 105 110

Gly Glu Ser His Asp Asn His Arg Leu Lys Lys Val Ile Gln Asp Cys 115 120 125

Glu Asp Glu Asn Ile Gln Arg Phe Ser Ile Ala Ile Leu Gly Ser Tyr 130 135 140

Asn Arg Gly Asn Leu Ser Thr Glu Lys Phe Val Glu Glu Ile Lys Ser 145 150 155 160

Ile Ala Ser Glu Pro Thr Glu Lys His Phe Phe Asn Val Ser Asp Glu 165 170 175

Leu Ala Leu Val Thr Ile Val Lys Thr Leu Gly Glu Arg Ile Phe Ala 180 185 190

Leu

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<210> 31
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<211> 181

<212> PRT

<213> Unknown Sequence

<220>

<223> Description of Unknown Sequence: VA domain from Unknown WARP

<400> 31

Gln Gly Asp Leu Leu Phe Leu Leu Asp Ser Ser Ala Ser Val Ser His 1 5 10 15

Tyr Glu Phe Ser Arg Val Arg Glu Phe Val Gly Gln Leu Val Ala Thr 20 25 30

Met Ser Phe Gly Pro Gly Ala Leu Arg Ala Ser Leu Val His Val Gly 35 40 45

Ser Gln Pro His Thr Glu Phe Thr Phe Asp Gln Tyr Ser Ser Gly Gln 50 55 60

Ala Ile Arg Asp Ala Ile Arg Val Ala Pro Gln Arg Met Gly Asp Thr 65 70 75 80

Asn Thr Gly Leu Ala Leu Ala Tyr Ala Lys Glu Gln Leu Phe Ala Glu
85 90 95

Glu Ala Gly Ala Arg Pro Gly Val Pro Lys Val Leu Val Trp Val Thr \$100\$ \$105\$ \$110\$

Asp Gly Gly Ser Ser Asp Pro Val Gly Pro Pro Met Gln Glu Leu Lys 115 120 125

Asp Leu Gly Val Thr Ile Phe Ile Val Ser Thr Gly Arg Gly Asn Leu 130 135 140

Leu Glu Leu Leu Ala Ala Ser Ala Pro Ala Glu Lys His Leu His 145 150 155 160

Phe Val Asp Val Asp Leu Pro Ile Ile Ala Arg Glu Leu Arg Gly 165 170 175

Ser Ile Thr Asp Ala 180

<210> 32

<211> 184

<212> PRT

<213> Unknown Sequence

<220>

<223> Description of Unknown Sequence: VA domain from Unknown cochlin

<400> 32

Lys Ala Asp Ile Ala Phe Leu Ile Asp Gly Ser Tyr Asn Ile Gly Gln
1 5 10 15

Leu Gly Ile Gly Thr Glu Gly Pro His Val Gly Val Val Gln Ala Ser 35 40 45

Glu His Pro Lys Ile Glu Phe Tyr Leu Lys Asn Phe Thr Ala Ala Lys 50 55 60

Glu Val Leu Phe Ala Ile Lys Glu Leu Gly Phe Arg Gly Gly Asn Ser 65 70 75 80

Asn Thr Gly Lys Ala Leu Lys His Ala Ala Gln Lys Phe Phe Ser Met 85 90 95

Glu Asn Gly Ala Arg Lys Gly Ile Pro Lys Ile Ile Val Val Phe Leu 100 105 110

Asp Gly Trp Pro Ser Asp Asp Leu Glu Glu Ala Gly Ile Val Ala Arg 115 120 125

Glu Phe Gly Val Asn Val Phe Ile Val Ser Ser Val Ala Lys Pro Thr 130 135 140

Thr Glu Glu Leu Gly Met Val Gln Asp Ile Gly Phe Ile Asp Lys Ala 145 150 155 160

Val Cys Arg Asn Asn Gly Phe Phe Ser Tyr Gln Met Pro Ser Trp Phe 165 170 175

Gly Thr Thr Lys Tyr Val Lys Pro 180

<210> 33

<211> 186

<212> PRT

<213> Unknown Sequence

<220>

<223> Description of Unknown Sequence: VA domain from Unknown vwf

<400> 33

Leu Leu Asp Leu Val Phe Leu Leu Asp Gly Ser Ser Arg Leu Ser Glu
1 10 15

Ala Glu Phe Glu Val Leu Lys Ala Phe Val Val Asp Met Met Glu Arg 20 25 30

Leu Arg Ile Ser Gln Lys Trp Val Arg Val Ala Val Val Glu Tyr His
35 40 45

Asp Gly Ser His Ala Tyr Ile Gly Leu Lys Asp Arg Lys Arg Pro Ser 50 60

Glu Leu Arg Arg Ile Ala Ser Gln Val Lys Tyr Ala Gly Ser Gln Val 65 70 75 80

Ala Ser Thr Ser Glu Val Leu Lys Tyr Thr Leu Phe Gln Ile Phe Ser 85 90 95

Lys Ile Asp Arg Pro Glu Ala Ser Arg Ile Ala Leu Leu Met Ala 100 105 110

Ser Gln Glu Pro Gln Arg Met Ser Arg Asn Phe Val Arg Tyr Val Gln 115 120 125

Gly Leu Lys Lys Lys Val Ile Val Ile Pro Val Gly Ile Gly Pro 130 135 140

His Ala Asn Leu Lys Gln Ile Arg Leu Ile Glu Lys Gln Ala Pro Glu 145 150 155 160

Asn Lys Ala Phe Val Leu Ser Ser Val Asp Glu Leu Glu Gln Gln Arg 165 170 175

Asp Glu Ile Val Ser Tyr Leu Cys Asp Leu 180 185

<210> 34

<211> 85

<212> PRT

<213> Homo sapiens

<400> 34

Pro Arg Asn Leu Lys Val Thr Asp Glu Thr Thr Asp Ser Phe Lys Ile
1 5 10 15

Thr Trp Thr Gln Ala Pro Gly Arg Val Leu Arg Tyr Arg Ile Ile Tyr 20 25 30

Arg Pro Val Ala Gly Gly Glu Ser Arg Glu Val Thr Thr Pro Pro Asn 35 40 45

Gln Arg Arg Arg Thr Leu Glu Asn Leu Ile Pro Asp Thr Lys Tyr Glu 50 55 60

Val Ser Val Ile Pro Glu Tyr Phe Ser Gly Pro Gly Thr Pro Leu Thr 65 70 75 80

Gly Asn Ala Ala Thr

<210> 35

<211> 86

<212> PRT

<213> Mus musculus

<400> 35

Pro Ser Gln Met Gln Val Thr Asp Val Gln Asp Asn Ser Ile Ser Val 1 5 10 15

Arg Trp Leu Pro Ser Thr Ser Pro Val Thr Gly Tyr Arg Val Thr Thr 20 25 30

Thr Pro Lys Asn Gly Leu Gly Pro Ser Lys Thr Lys Thr Ala Ser Pro 35 40 45

Asp Gln Thr Glu Met Thr Ile Glu Gly Leu Gln Pro Thr Val Glu Tyr
50 55 60

Val Val Ser Val Tyr Ala Gln Asn Arg Asn Gly Glu Ser Gln Pro Leu 65 70 75 80

Val Gln Thr Ala Val Thr 85

<210> 36

<211> 87

<212> PRT

<213> Unknown Sequence

<220:

<223> Description of Unknown Sequence: F3-2 repeats from Unknown WARP

<400> 36

Pro Glu Arg Ile Val Ile Ser His Ala Arg Pro Arg Ser Leu Arg Val

Ser Trp Ala Pro Ala Leu Gly Pro Asp Ser Ala Leu Gly Tyr His Val 20 25 30

Gln Leu Gly Pro Leu Gln Gly Gly Ser Leu Glu Arg Val Glu Val Pro 35 40 45

Ala Gly Gln Asn Ser Thr Thr Val Gln Gly Leu Thr Pro Cys Thr Thr 50 55 60

Tyr Leu Val Thr Val Thr Ala Ala Phe Arg Ser Gly Arg Gln Arg Ala 65 70 75 80

Leu Ser Ala Lys Ala Cys Thr 85

<210> 37 <211> 88

<212> PRT

<213> Homo sapiens

<400> 37

Pro Thr Arg Leu Val Phe Ser Ala Leu Gly Pro Thr Ser Leu Arg Val 1 5 10 15 Ser Trp Gln Glu Pro Arg Cys Glu Arg Pro Leu Gln Gly Tyr Ser Val 20 25 30

Glu Tyr Gln Leu Leu Asn Gly Gly Glu Leu His Arg Leu Asn Ile Pro 45

Asn Pro Ala Gln Thr Ser Val Val Glu Asp Leu Leu Pro Asn His 50 60

Ser Tyr Val Phe Arg Val Arg Ala Gln Ser Gln Glu Gly Trp Gly Arg 65 70 75 80

Glu Arg Glu Gly Val Ile Thr Ile 85

<210> 38

<211> 85

<212> PRT

<213> Gullus gallus

<400> 38

Pro Gln His Leu Glu Val Asp Glu Ala Ser Thr Asp Ser Phe Arg Val
1 5 10 15

Ser Trp Lys Pro Thr Ser Ser Asp Ile Ala Phe Tyr Arg Leu Ala Trp 20 25 30

Ile Pro Leu Asp Gly Gly Glu Ser Glu Glu Val Val Leu Ser Gly Asp 35 40 45

Ala Asp Ser Tyr Val Ile Glu Gly Leu Leu Pro Asn Thr Glu Tyr Glu 50 55 60

Val Ser Leu Leu Ala Val Phe Asp Asp Glu Thr Glu Ser Glu Val Val 65 70 75 80

Ala Val Leu Gly Ala

<210> 39

<211> 85

<212> PRT

<213> Homo sapiens

<400> 39

Pro Lys Asp Ile Thr Ile Ser Asn Val Thr Lys Asp Ser Val Met Val 1 5 10 15

Ser Trp Ser Pro Pro Val Ala Ser Phe Asp Tyr Tyr Arg Val Ser Tyr
20 25 30

Arg Pro Thr Gln Val Gly Arg Leu Asp Ser Ser Val Val Pro Asn Thr 35 . 40 45

Val Thr Glu Phe Thr Ile Thr Arg Leu Asn Pro Ala Thr Glu Tyr Glu
50 60

Ile Ser Leu Asn Ser Val Arg Gly Arg Glu Glu Ser Glu Arg Ile Cys

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Thr Leu Val His Thr
<210> 40
<211> 87
<212> PRT
<213> Unknown Sequence
<223> Description of Unknown Sequence: F3-1 repeat from
     Unknown WARP
<400> 40
Pro Gln Gln Leu His Ala Ser Glu Val Leu Ser Ser Gly Phe Arg Leu
Ser Trp Pro Pro Leu Leu Thr Ala Asp Ser Gly Tyr Tyr Val Leu Glu
                                 25
             20
Leu Val Pro Ser Gly Lys Leu Ala Thr Thr Arg Arg Gln Gln Leu Pro
Gly Asn Ala Thr Ser Trp Thr Trp Thr Asp Leu Asp Pro Asp Thr Asp
Tyr Glu Val Ser Leu Leu Pro Glu Ser Asn Val His Leu Leu Arg Pro
                     70
Gln His Val Arg Val Arg Thr
<210> 41
<211> 2311
<212> DNA
<213> Mus musculus
<220>
<221> CDS
<222> (30)..(1274)
<400> 41
                                                                   53
tcgatcaaga gcccgccact ccaggcgcg atg ctg ttc tgg act gcg ttc agc
                                Met Leu Phe Trp Thr Ala Phe Ser
atg gct ttg agt ctg cgg ttg gca ttg gcg cgg agc agc ata gag cgc
                                                                   101
Met Ala Leu Ser Leu Arg Leu Ala Leu Ala Arg Ser Ser Ile Glu Arg
                         15
                                                                   149
ggt tee aca gea tea gae eee cag ggg gae etg ttg tte etg ttg gae
Gly Ser Thr Ala Ser Asp Pro Gln Gly Asp Leu Leu Phe Leu Leu Asp
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					tca Ser											197
gtg Val	Gly ggg	cag Gln	ctg Leu 60	gtg Val	gct Ala	acg Thr	atg Met	tct Ser 65	ttc Phe	gga Gly	ccc Pro	ggg ggg	gct Ala 70	ctg Leu	cgt Arg	245
					gtg Val											293
					ggc Gly											341
					gat Asp 110											389
					gct Ala											437
					gtg Val											485
					ctc Leu											533
agc Ser	act Thr 170	ggc Gly	cga Arg	ggc Gly	aac Asn	ctg Leu 175	ttg Leu	gag Glu	ctg Leu	ttg Leu	gca Ala 180	gct Ala	gcc Ala	tcg Ser	gct Ala	581
					cta Leu 190											629
					cgg Arg											677
					gag Glu											725
ccg Pro	ccc Pro	ctg Leu 235	ctg Leu	aca Thr	gcg Ala	gac Asp	tct Ser 240	ggt Gly	tac Tyr	tac Tyr	gtg Val	ctg Leu 245	gaa Glu	ttg Leu	gta Val	773
					gca Ala											821

gct acc agc tgg acc tgg aca gat ctc gac ccg gac aca gac tat gaa Ala Thr Ser Trp Thr Trp Thr Asp Leu Asp Pro Asp Thr Asp Tyr Glu 265 270 275 280								
gta tca ctg ctg cct gag tcc aac gtg cac ctc ctg agg ccg cag cac Val Ser Leu Leu Pro Glu Ser Asn Val His Leu Leu Arg Pro Gln His 285 290 295								
gtg cga gta cgc aca ctg caa gag gag gcc ggg cca gaa cgc atc gtc Val Arg Val Arg Thr Leu Gln Glu Glu Ala Gly Pro Glu Arg Ile Val 300 305 310								
atc tcg cat gcg agg ccg cgc agc ctc cgc gta agc tgg gcc ccc gcg 1013 Ile Ser His Ala Arg Pro Arg Ser Leu Arg Val Ser Trp Ala Pro Ala 315 320 325	3							
ctt ggc ccg gac tcc gct ctc ggc tac cat gta cag ctc gga cct ctg 1065 Leu Gly Pro Asp Ser Ala Leu Gly Tyr His Val Gln Leu Gly Pro Leu 330 335 340	1							
cag ggc ggg tcc cta gag cgc gtg gag gtg cca gca ggc cag aac agc 1109 Gln Gly Gly Ser Leu Glu Arg Val Glu Val Pro Ala Gly Gln Asn Ser 345 350 355 360	9							
act acc gtc cag ggc ctg acg ccc tgc acc act tac ctg gtg act gtg Thr Thr Val Gln Gly Leu Thr Pro Cys Thr Thr Tyr Leu Val Thr Val 365 370 375	7							
act gcc gcc ttc cgc tcc ggc cgc cag agg gcg ctg tcg gct aag gcc Thr Ala Ala Phe Arg Ser Gly Arg Gln Arg Ala Leu Ser Ala Lys Ala 380 385 390	5							
tgt acg gcc tct ggc gcg cgg acc cgt gct ccg cag tcc atg cgg ccg 1253 Cys Thr Ala Ser Gly Ala Arg Thr Arg Ala Pro Gln Ser Met Arg Pro 395 400 405	3							
gag gct gga ccg cgg gag ccc tgaactgcct gcctgctcgt ccacccgggg 1304 Glu Ala Gly Pro Arg Glu Pro 410 415	4							
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